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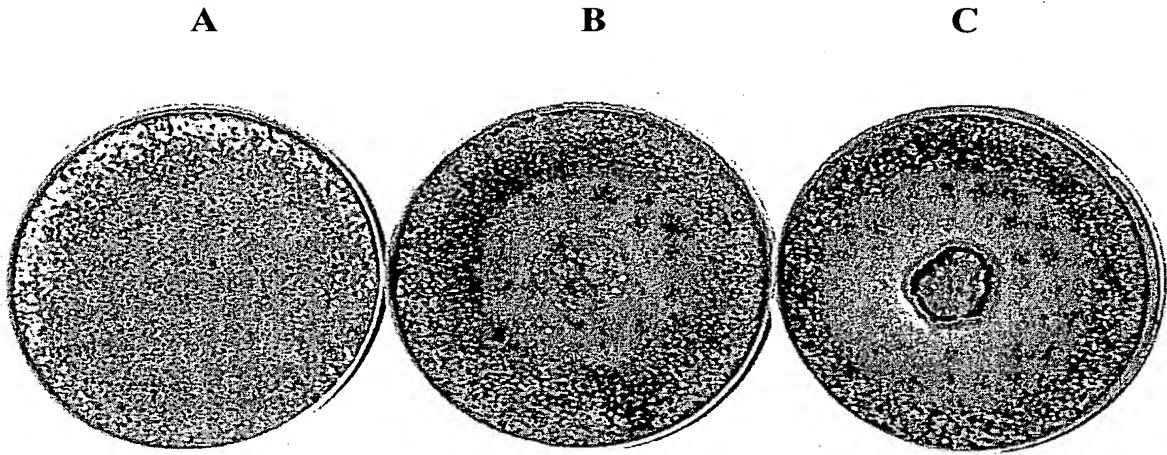


Figure 1

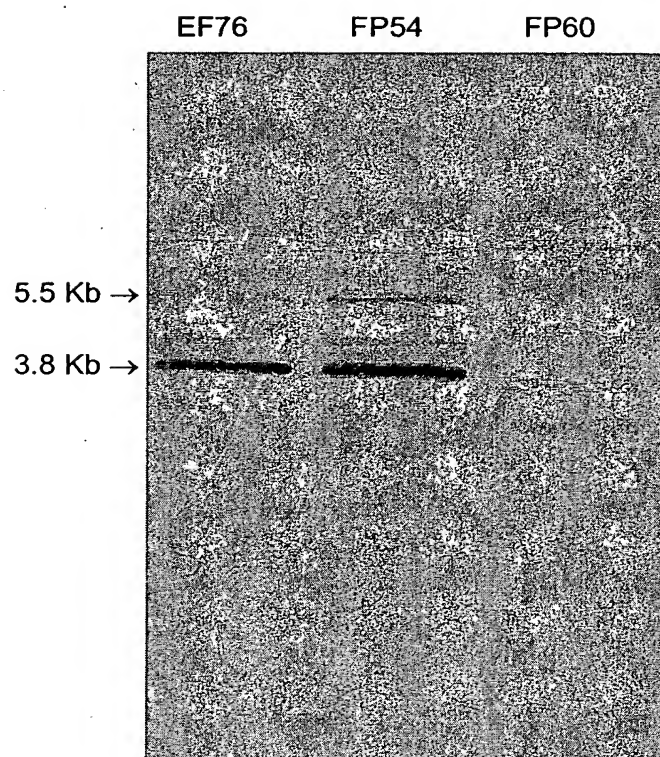


Figure 2

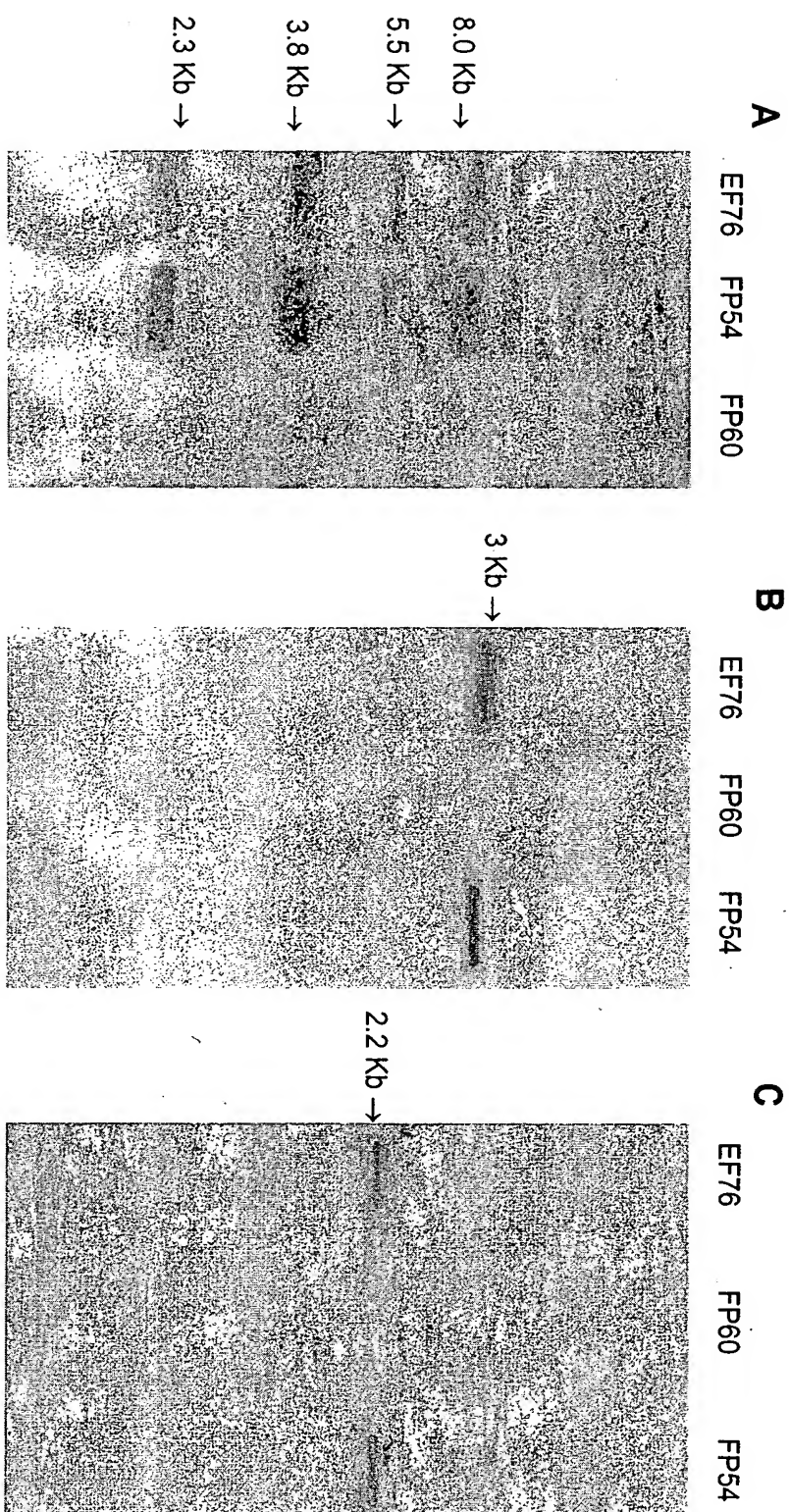


Figure 3

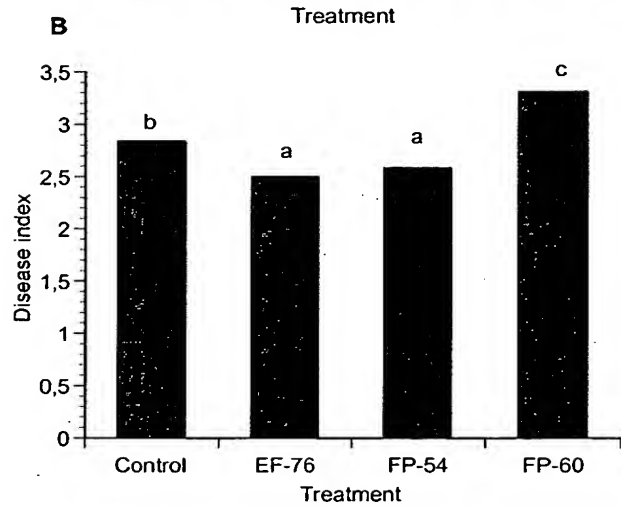
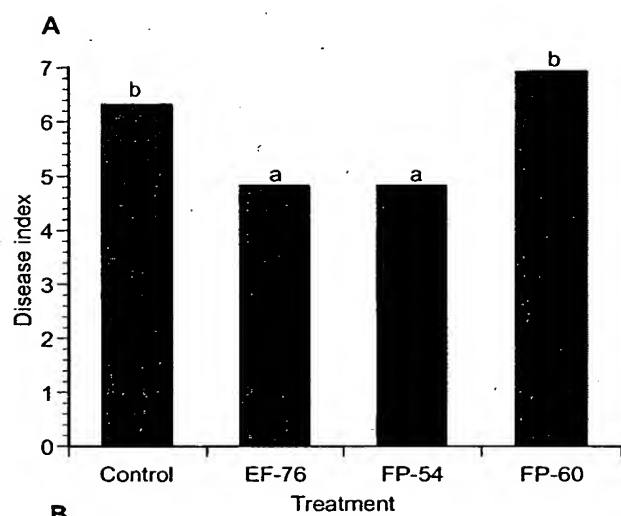


Figure 4

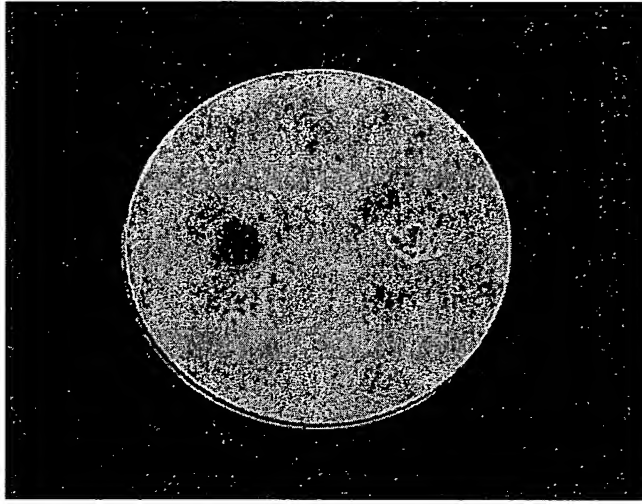


Figure 5

| | |
|---|------|
| GGTCTCGAGGGCCCGGCC GTG ACC ATC GAC ACC GCC TGC TCG TCG TCG CTG GTG GCG | 40 |
| CTG CAC CTT GCC GCG CAG GCG CTG CGG CAG GGT GAA TGC TCG CTG GCG CTG GCG | 94 |
| GGC GGG GTG GCC GTG ATG TCC ACC CCC GGC ACC TTC GTG GAG TTC AGC CGT CAG | 148 |
| CGG GGT CTT GCG CCG GAC GGC CGG TGC AAG GCG TTC GCG GCG GCA GCG GAC GGT | 202 |
| ACG GGC TGG GGC GAG GGT GTG GGC ATG CTG CTG CTG GAG CGG CTG TCG GAC GCG | 256 |
| CGG CGC AAC GGA CAC CAG ATC CTC GCG GTG GTA CGC GGC TCC GCC GTC AAC CAG | 310 |
| GAC GGT GCG AGC AAC GGG CTC ACC GCG GCC CAA TGG CCC TCG CAA CAG CGG GTG | 364 |
| ATC CGG GCG GCG CTG GCC AAC GCG CGG CTG TCG GCG GCC GAG GTG GAC GTG GTC | 418 |
| GAG GCG CAT GGT ACG GGT ACC ACG CTG GGC GAC CCG ATC GAG GCG CAG GCG CTT | 472 |
| CTT GCC ACG TAC GGC CGT GAA CAC ACC GAC GAC CAG CCC CTG TGG CTC GGC TCG | 526 |
| ATC AAG TCC AAC ATC GGG CAC ACC CAG GCC GCG GCC GGT GTC GCG GGC ATT ATG | 580 |
| AAG ATG GTG CTT GCC ATG CGG CAT GGT CTG TTG CCG CAG ACG CTG GGC GTC GAC | 634 |
| GAA CCG TCG CCG CAC ATC GAC TGG ACG GCG GGA GCC TCG AAG CTG CTC ACC GAG | 688 |
| GCC AGG GCC TGG CCC GAG ACC GAC CGC CCA CGG CGG GCG GGC GTC TCG TCC TTC | 742 |
| GGC CTC AGC GGC ACC AAC GGC CAC ATC ATT CTC GAA CAG GAG CCG CCG ACC GAG | 796 |
| GCC GAC GAG GAA ACC TCC CAG GAG GAC GCG CAA CTT CCT CCC GCC GTC GTG CCA | 850 |
| TGG GTG CTG TCG GCG AAG TCC GAT GCC GGT GTG CGG GGG CAG GCC GCG CGA CTG | 904 |
| CAG TCG GCG GTG GCC GGG GAT ACC AGC CCG GGG ATG ACG GAC ATC GGT CTG TCG | 958 |
| CTG GTC ACC ACG CGT GCG GCG TTC GAG CGG CGG GCG GTG GTA CTG GGT GGT GAC | 1012 |
| CGT GCC GCG CTC GTC AGT GGC CTG ACC GCG CTG ACC GAG GGC CGG GAG GCG ACG | 1066 |
| CGC GTG GTG CGG GGG GCC GTG GTC GGC TCC GAT GCC CGA GTG GCC TTT GTC TTT | 1120 |
| CCT GGT CGA GGG GTC GCA GTG GGT GGG GAT GGC GGC TGG GTT GCT GGA GTC TTC | 1174 |
| GCC GGT GTT CGC GGA GCG ATT GGT GAG TGT GCG GCG GCT TCG GCG CCG TTC GTC | 1228 |
| GAC TGG TCG CTC GGG GAT GTG TTG CGG GGT GGG AAG GGT GCT GCG GAG GCG TTG | 1282 |
| GAG CGG GTG GAT GTG GTG CAG CCG GTG TTG TGG GCG GTG ATG GTG TCG TTG GCG | 1336 |
| GAG CTG TGG CGT TCG TAC GGT GTG GAG CCT GCG GCC GTT ATC GGT CAT TCG CAG | 1390 |
| GGT GAG ATC GCG GCG GCG TGT GTG GCG GGT GCG TTG TCG CTG GAG GAC GCC GCG | 1444 |

Figure 6

| | |
|---|------|
| CGC GTG GTG GCG TTG CGA AGC CAA GCA CTG CGG GCG TTG TCC GGC GGT GGT GGC | 1498 |
| ATG GTG TCG GTA TCA CTG CCC GTG AAG GCG GTA CGA GAG CGG CTG GTC CGG TGG | 1552 |
| GGT GAG CGG CTG TCG GTG GCA GCG GTG AAC GGG CCC TCG GCG GTT GTT GTC TCG | 1606 |
| GGT GAC GCG GAC GCG TTG GAC GAG CTG CTG GCG GTG TGC GAG GGC GAG GAG ATC | 1660 |
| CGG GCC CGT CGC ATC CCC GTG GAC TAC GCC TCG CAC TGC GCC CAT GTG GAG GAA | 1714 |
| ATC GAG GAG ACG TTG TTG CGG GAG CTG GCG GAT ATC GCT CCC CGG GCG TCG TCG | 1768 |
| GTG CCG TTC TAC TCC AGG GTC ACG GCA GGC GTG CTC GAT ACG ACC GGA CTG GAC | 1822 |
| GCC GGG TAC TGG TAC CGG AAT CTG CGT CAG ACG GTC CGC TTC GAT GAG ACC GTA | 1876 |
| CGC ACC CTC CTG GCC GAC GGC TTC CAG GTG TTC ATC GAG GCC AGC GCC CAC CCC | 1930 |
| GTC CTG ACG ATG GGA GTG GAG CAG ACG GCC GAG GAC CAC GGC ACC CGC GTC ACC | 1984 |
| GCC GTC GGT TCC CTG CGC CGC GAC GAT GGC GGT CCC GAC CGG TTC GCC ACC TCC | 2038 |
| CTC GCC GAG GCG TAT GTC GGC GGC GCG CCC GTC GAC TGG GCG AGG ATG TTC GCC | 2092 |
| GGA ACG GGC GCG GAG CGG GCC GAT CTG CCG ACG TAT GCC TTC CAG CGC ACG CAC | 2146 |
| TTC TGG CTG GAG TCC GAG ACG GTC GAG GCC GGT GAT GTG CCG TCG GTG GGG CTG | 2200 |
| GAC TCG GCC GGG CAT CCG TTG CTG GGT GCC GCC GTG CCG CTG CCC GAC TCC GAC | 2254 |
| GGC TTC CTG CTC ACC GGC CGG CTG TCG CTC CGT ACC CAT CCC TGG GTC GCC GAC | 2308 |
| CAC GCG GTG GCG GAT GTA ACG CTG CTG CCC GGG ACG GCC TTC GTG GAG CTG CTG | 2362 |
| ATG CGG GCC GGT GAC GCG GTC GGC TGC GAC CGG GTG GAC GAA CTG ACC CTG GGA | 2416 |
| GCA CCG CTT GTG CTG CCC GAG CAG GGC ACG GTC CGG CTG CAG GTC GCC GTC GGC | 2470 |
| GGC CCC GAC GAG GCG GGG CGG CGC TCG GTC GGT GTG TAC GCG CAG ACG GAG GAC | 2524 |
| GGC CCC TGG ACG CAG CAC GCG ACC GGT GTG CTC GGC GGC GGT GTG CTC GGC GGC | 2578 |
| GGC AGC AGC TCG GCC GAT CGC GTC ACT GAG ACG GAG GCA TGG CCA CCG ACT GGT | 2632 |
| GCG GAG GCC GTT GAT GTC GCC GGG CTC TAC GAG AGG TTC GCC CGG ACC GGA | 2683 |

Figure 6 (continued)

1 TACCCGGGTG GCGCTGGCCT TCGTCAGTXG CTATCTCTTC GGGCGCGGCC
 51 ACAGGGGGAC CTTGGTCCTC GGCCTCGCGG TCTCGCCGCG GGCAAGCGGC
 101 TCTCCGGTAT CAGCCCACCG GGCGCCAGG CACTGAAGTC CTCCGAGCTC
 151 GGCAAGCTGG GCCAGGAGAT CGGCAGCCGG CTGGTCTCCG CGGGTCGGGA
 201 GGC GGCCATG TCGGCGGCCA GTAGCCGCAT CGACGGCCTG AGCGACCCGC
 251 TGGAGCACCG CGCCACGGCG CTGCGCACCG GCGGCGCGGG GGGCGGGGAG
 301 CCGGAGSCGG GGAGGACGAG GAGCCGGACG AGCAGGAGGA GCGCGAGCCA
 351 CGCGAGCCCA CCGGCAAGCA GCAGCRCAAG CCGGCCGACC GTXCGGCGCA
 401 GGCCAGGAAG CGGACGGYTC CXAAGGgCTC GCGCGACGXA GCCAGAXGTG
 451 AGGGCCATGG CTGAGGAAAC CCCCAAGGGG CGGGCCSGTG GGC GCSGCGC
 501 CTGCCCCACCG ACCACCTGXC GAAGXAAGCA CAGGGCCTGC TGATGGCGCT
 551 GGSCGAAAAG GCTCTGGAAT CGGTCACCCA CCTGGGGGGC AACCCCGGGA
 601 CGGGCGCGCT XAAGGGCGGA CTGGACCAGG TCAAGGGCAA GGTCTGTCGAC
 651 ACGGCCAAGG AGCAGATCAA GGAGAAGGTC AAGGACCAGG TCAAGGAAAA
 701 GGTCTGTCGAC AAGGCCAAGA GCTTCATCCC GGGCCTCGGC GGTGGCGGCG
 751 ACGGTGGCGG CAAGGGCGGC AAGAAGCTCA AGGTCACCAA CATCGTGGAG
 801 CAGATCGACG TGGGCGCGCC CCTCTCCCTC ACCTACAACC TCTGGACGGA
 851 GTGGGAGAAC TTCCCCTCGT ACATGAAGAA GGTCTGAGGAC GTCCAGAACC
 901 AGGGCGAGGA GGAGGGTGAG GACGAGGACG GGHCCGGGAC GGAATCCGAG
 951 TGGAAGGCCC AGGTCTTCTG GTCGCACCGC AAGTGGCAGG CAGAGGTCGT
 1001 CGAGCAGGTG CCCGAACAAG SCGGATCATC TGGAGCGTCT VCgGGCCGAD
 1051 CAAGGMCCA TGTSCGACRG VACGATCACC TTCCATGAGC TGGCCCCCGA
 1101 GCTCACCCGG ATCC

Figure 7

1 GCATGCGSGC GGGCGGCGAA SSGcGTTTCGT CGGTCACGGG GGCgTAGGCG
51 TAGGCCCCSGC CACGCGGGGT GCGGGTGAGC AACTGCTTGG TGTGCATACG
101 GGTGAGGATC GTCACCACGC TGTGTAGGC CAGTTCGCCG CCGAGGCGTT
151 CGGTGACCTC CCGGGGGGTC AGCGCGCCGT CGGCCCCTG CAGCAGTTCG
201 AGGATCTCGG CCTCGCGGGC ACCGTTGGGC CGCTTGGGCC CGTGTcCTGG
251 CGTGCGGATG CCCATGCGGT TGGCCTCCCT CATCTCATCA CCCBACACTC
301 GTGTAGGACT CCTACACCGG TGTAaAAGCT GTTGTCTCCC AAGTGTGCCA
351 TGCACGCGTG CCTGGGCAGA ACTCTGCCTT GGGCGGGCAC GGSCGGAaAG
401 GACCCTGCGG TGCCTTTGGC CCTCAACCCG CTGGATGCCG CCGAACTGCT
451 GACAGCGTTC GGCACGGCGG GTGTCTTCGT GGTGCTGTTC GCCGAGACCG
501 GACTTCTGAT CGGCTTCTTC CTGCCCCGTG ACTCCCTGTT GGTcACCGCC
551 GGCCTKCTGT GTACGGCCTC GGGCAGGGGC GTCCACCTGT CCGTGCCCCG
601 TGTGCCGGTC CGTACCCGCG GCCGGCACCT GATCGACGGT GTTAGGCGTG
651 CGGAGGAGCT TCTYgCCGV TACGACCGCT ACCGgTTCCT CTGTTCGCGC
701 TGATCGACGC GTYTYCCCGC TGCCGCTCGC CCTGGGAGCG CTCAGGTCCC
751 GCCGGGCCCC CaCCGCCGSG GAGCCGACCG TGGGAGCGC CAAGTGAaGA
801 CACCTTCCCC TGATCCACAA CGTGTACGCG ATCGGCGGVA CGATCCGCAC
851 CAAGCTAAAT CTCGCCGCCG GGCTCGCCGA CCGGCACRAG GTGACGAYCG
901 TATCGATGCT CCGCCACCGC ACCXACCCGC GAtTCCGTCA TCGATCCACG
951 GGTGACGGTC GTGCCCCTGG TTGACATACA CGCgGACGCC GCCGACCCCC
1001 TGCTGCATCA GCCGGCCGAG GTCTTCCCCA CCGCCGAGAA GCGGTACAGG
1051 CAGTACAGCC GCCTCACCga CCAGSGGGCG CGCGAGTACC TGCgGAAGCT
1101 GCGACGCGGA CGTGATCATC GGCACGCGGC CGGGCATCAA TGTGTACCTG
1151 GCCCCTTCGC ACCGCCCCCG gCACTGCGCA TCGCCCAGGA ACACCTCACC
1201 CACGASACGC ACACCAAGAG CTGCGCGCCC AGCTCGSSSG CCAGTACCGC
1251 GACCTGGATG CCGTGGTCAC CACGACCGAA GCCGACGCGG CCGTCTACCG
1301 GGCGAGATGC GGCTGCCGGG CGGGgG

Figure 8

MTTSTSSPAASSASPARQVVVGLAERSYTVHIGHGVQRLLPQVVAALGARRAVVVTARPAEQTPDPGVPSLVVPA
RDGEAAKDLAAVTDLCRRFVGFGLTRSDVVVSCGGGTTTDTVGLAAALYHRGTPVVHVPTSLLAQVDASVGGKTA
VNLPEGKNLVGAYWQPAAVLCDLEHLKTLPEREWRNGLGEIARCHFIGAPDLDDGLPLLDQISASVTLKAGIVAAD
ERDSGLRHLLNYGHTLGHALERATGFALRHGEGVAIGTVFAGRLAGALGRIGPERVAEHHDVVARYGLPTALPPH
VSVSELVELMRLDKKATDGLTFVLDSAPAGPLVRGIAEDTVGATLAAMPRAPAW

Figure 9

| | | | | | |
|-------|----------------------------------|-------------|------------|-------------|--|
| 62558 | ca ccatgcgggc gcgcggggca | | | | |
| 62581 | tcgccgcgag ggtggcgccg acggtgtcct | cggcgatccc | gcgcaccagt | ccgggccccg | |
| 62641 | cggggctatc caggacgaac gtcagcccgt | cgggtggcctt | cttgtccagg | cgcatcagct | |
| 62701 | ccaccagctc ggacacggag acatgcgggg | gcagcgcggt | cggcaggccg | tagcggggcga | |
| 62761 | ccacgtcatg atgctcggcc acgcgtccg | ggccgatgag | ccccagcgcg | ccggcgagcc | |
| 62821 | ggccggcgaa aaccgtgccg atggccactc | cctccccgtg | ccgcagcgcg | aaccgggtgg | |
| 62881 | cacgttccag cgcagcccc aacgtgtgtc | cgtagttgag | gaggtggcgc | aggcccgagt | |
| 62941 | cgcgctcgtc cgccggcagc atgcccgcct | tgagcgtcac | actggccgag | atctgggtcga | |
| 63001 | gcagcggcag cccgtcgaga tcgggcgcgc | cgatgaagtg | gcagcggggc | atctcaccga | |
| 63061 | ggccgttgcg ccattcccgt tcgggcaggg | tcttcagatg | ttcgaggtcg | cagagcacgg | |
| 63121 | ccgcgggctg ccagtaggcg cgcaccagat | tcttgccctc | gggcagattc | accgcggtct | |
| 63181 | tcccgccgac gtcgcgtcc acctgggcga | gcagcgaggt | cggcacgtgt | acgaccgggg | |
| 63241 | tgccccggtg gtagagggcg gcggccaggc | ccaccgtgtc | ggtcgtggtg | ccgccgccac | |
| 63301 | aggacaccac cacatccgag cgggtcagtc | cgaatccgac | gaaccggcgg | cacagatcgg | |
| 63361 | tcacggcggc caggtccttg gccgcctccc | cgtcgcgggc | gggtacgacg | agcgagggca | |
| 63421 | ctcctgggtc ggggtctgc tcggcgggcc | gcgcggtgac | caccaccgcc | ctgcgcgcgc | |
| 63481 | ccagggcggc caccacctgt gggagcagcc | gctgcacacc | gtgtccgatg | tgcacggtgt | |
| 63541 | aggagcgttc ggccagccc acgacgacct | gtcgggcggg | ggaagcggaa | ctggcgggccg | |
| 63601 | gactggaagt cgacgtggtc aa | | | | |

Figure 10

MDKRTMGRHRRITQPPRTTLATRAVLAAGVLVPTIASAGSAHAATPQAAICTSDRPELADKLSEDINSALEGSAA
TTAISLHDRTTNTTCTLDADRHFDSTVKTTLSTLLWDAQKDNRALTQEEKDHATAMITESDNDATTALWKQL
GADKINGFLQAAGMTNTTLDSEGHWGLTQITANDEEKLLQLVTHTNPVLSDDSRAYILKLTAEVIPSQRWGTPAG
APSDAQVHVKNWLERATNGWRVHSLGAFTGGDHDYTITVLSQDNATMDDGIANIEGIARAVHENLNAPVSSAQS

Figure 11

771 ttacgactga
781 gcgctggaca cgggcgcggt gaggttctcg tggaccgcgc gggcgatgcc ctcgatgttg
841 gcgatgccgt cgtccatcgt ggcggtgtcc tgcgagagca ccgtgatcgt gtagtcgtgg
901 tcgccgccgg tgaaggcgcc gaggtgtgc acccgccagc cgttcgtggc ccgtccagc
961 cagccggtct tcacatgcac ctgggcgctc ctcggcgcg cggccggggg gccccagcgc
1021 tgcgagggga tgacctcggc cgtcagcttc aggatgtagg cgcgggagtc atcgtctgagc
1081 accgggttgg tgtgggtcac cagttggagg agcttttctt catcgttcgc ggtgatctgg
1141 gtgagcccc agtggccctc gctgtcgagg gtggtgttg tcattcccgc ggctgcagg
1201 aaccggttga tctgtccgc cccagctgc ttccacagcg cgggtgtggc gtcgtgtcg
1261 gactctgtga tcatggcggg ggcatgggtc ttctcctct gtgtcagggc gcgattgtcc
1321 ttctgcgcgt cccacagcag ggtgctgagc acggtcacct tgaccgtgct cgcggagtcg
1381 aagtgccggt ccgcatccag agtgcagggt gtgttcgtgg tgcggtcgtg gaggtgatc
1441 gccgtggtgg cggcggagcc ctccagcgc gaattgatgt cctcggagag cttgtcggcg
1501 agttccggcc ggtccgaggt gcagatcgcc gcctgcgggg tggccgcgtg agccgacccc
1561 gccgaggcga tcgtcggcac gagcacccc gcggccagca ccgtcttctg cgccagggtg
1621 gtacggggag gctgggttat tcgtcgggtg cgacccatgg tgcgcttgtc cat

Figure 12